

Gold Beach Dune Sheet, Oregon

UTM Sector and Datum (xx/yr), Northing, Easting, Estimated Error (EPE +-m), DEM Altitude (Alt m MSL).

Exposure Type: Active (AC), Trench (TR), Auger (AU), Road Cut (RC), Creek Cut (CC), Sea Cliff (SC), Slope (SL).

Units: Age: Tertiary (T), Pleistocene (P), Holocene (H), Wave-cut Platform (W); Parent Material; Soil Horizon

Parent Material: Eolian Dune (D), Loess (L), Colluvium (U), Peat (P), Alluvial/Fluvial (V), Lagoonal/Estuary (N), Beach Shoreface (S), Basal Conglomerate (M).

Note: Loess (L) is designated where it overlies bedrock, colluvium, or pre-existing Bw/Bt horizons.

Soil Horizon: Organic (A), Leached (E), Accumulation (B), Fe+3 Accumulation (Bw),

Incipient Clay Accumulation (Btj), Clay Accumulation (Bt), Humate Accumulation (Bh),

Calcrete (Bk), Silcrete (Bq), Reduced Glade Layer (Bg), Subsoil Calcrete (K),

Dune Parent (C), Oxidized Parent (Cox).

Subsurface depth (cm); Dominant Grain Size: Silt, Sand, Pebbles, Cobbles (default is sand)

Sand sizes (Coarse U/L, Medium U/L, Fine U/L, VeryFine U/L)

Bedding: Cross Beds (XB,dipxx), Planar Beds (PB), Fluidization (FL), Heavy Mineral Laminae (HM)

Munsell Maximum Color (field condition: moist)

Penetrometer: (P. kg/square cm) unconfined compressive strength.

Structure: loose, very weak blocky, weak blocky, strong blocky, columnar/prismatic.

Diagenesis: Fe-ortstein, Fe-humate, allophane, gibbsite, calcrete, silcrete

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD1	N10/83	4711750	385630	12	25	12/16/01	Road Cut
Site Notes: Northernmost extent of Gold Beach Pleistocene dune sheet at Eucher Creek.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
PDBw	0-40	VFL				Very Weak B.	
PDCox	40-300	FU	XBdipNE	2.5YR3/4		2 Very Weak B.	
PDBw	300-305				1.75	Very Weak B.	
PDCox	305-355	FU					
Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD2	N10/83	4711350	385960	25	106	12/16/01	Road Cut
Site Notes: Eastern boundary of Pleistocene dune sheet.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
PDBw	0-20			7.5YR3/4		3 Very Weak B.	
PDCox	20-170						
Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD3	N10/83	4709660	385130	8	50	12/16/01	Road Cut
Site Notes: This site is on a side road (east of HW101) south of Eucher Creek.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
PDBtj	0-50	VFL		2.5YR3/3		3 Weak Blocky	
PDCox	50-150	FU		2.5y4/4		1 Very Weak B.	
Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD4	N10/83	4707790	384110	7	14	12/16/01	SC
Site Notes: This site is just south of the beach access at the northern termination of Nesika Beach road.							
Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
LA	0-5	Silt					
LBw	5-20	Silt				2 Very Weak B.	
PDBw	20-40	FU		7.5YR3/4		3.5 Weak Blocky	
PDCox	40-140					Very Weak B.	Fe-ortstein
PDBG	140-170					2	
PDCox	170-270	FU					
PDE	270-280	Silt					
PDBw	280-300	FL					

PDCox	300-550	FU	Clastic dikes		3.5		
PDBg	550-562				4.5		Fe-humates
PDCox	562-622		F.sets120dip20		4.25		Fe-ortstein
PDBg	622-627			2.5y4/3			
PDCox	627-1027	FU		10YR4/6			
Cover	1027-1200						
PW	1200-1201						
T	1201-1210						

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD5	N10/83	4703870	383710		6	67 12/17/01	RC

Site Notes: Eastern extent of Pleistocene dunes.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
LA	0-20	Silt				1 Loose	
PDBw	20-50	VFL				2.5 Very Weak B.	
PDCox	50-200	FU				4 Weak Blocky	
PDBg	210-230					2.75 Very Weak B.	
PDCox	230-250					2.25	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD6	N10/83	4707370	384220		7	32 12/17/01	RC

Site Notes: This site is at near the eastern boundary of the Pleistocene dune sheet.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
PDA	0-5					1.5 Very Weak B.	
PDBw	5-40	VFL		7.5YR3/4		3 Weak Blocky	
PDCox	40-200	FU				2	

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD7	N10/83	4702210	382800		8	20 12/13/01	SC

Site Notes: This site is at Otter Point (RC Samples 150 and 155 cm depth)(TL Samples 680 and 900 cm depth).

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
HDA	0-5					1 Loose	
HDCox	5-45	VFL				0.75 Loose	
HDBw/LBw	45-110	VFL		10YR5/3		1.5 Loose	
LBw	110-153	Silt		7.5YR5/4		2.5 Very Weak B.	
PDBw	153-175		Truncated	7.5YR4/4		4 Strong Blocky	
PDCox	175-205	FU					
PDBw	205-220						
PDC	220-575	FU	PB				
PDBg	575-580						
PDC	580-730		XBdipNE				
PDBg	730-732						
PDC	732-780					3	
PDBtj	780-797					3.5	
PDBw	797-812						
PDBg	812-817						
PDCox	817-847	FU					Fe-ortstein
PDBg	847-852						Fe-ortstein
PDCox	852-942	ML					
PDBg-PP	942-972						
PS	972-1152	CU					
PM	1152-1252	Cobbles					
PW	1152-1153						
T	1153-2000						

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD8	N10/83	4702140	382770		8	17	12/13/01 SC

Site Notes: This site is on the south side of the Otter Rock headland.

The top of the section has been truncated by storm waves?

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
PDC	0-250	FU	Truncated			3.5	
PDBw	250-255					4	Weak Blocky
PDCox	255-322	FU				3.75	
PDBg	322-337					4.5	
PDCox	337-387					3.5	
PDBg	387-482	VFL					
PS	482-632						
PM	632-782	Cobbles					
PW	782-783						
T	783-1983						

Dune Sheet	Zone/NAD	UTM-302	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD9	N10/83	4700930	382730		10	25	12/17/01 SC

Site Notes: This site is on an beach access trail that cuts down a ravine.

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
LBw	0-50	Silt		10YR5/6		2	Very Weak B.
PDBw	50-70	FU		10YR7/6		2.75	Very Weak B. Fe-ortstein
PDCox	70-90						
PDBg	90-95					1.5	Very Weak B.
PDCox	95-330		Clastic dikes			2.5	allophane
Cover	330-480						
PDBg	480-493						
PDCox	493-623						
PDBg	623-627						
PDCox	627-1100						Fe-ortstein
PDBg	1100-1110			5Y4/3			
PS	1110-1400						
PM	1400-1688						
PW	1688-1689						
T	1689-1700						

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD10	N10/83	4698760	382450		5	27	12/17/01 RC

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
LA	0-20	Silt					
LBw	20-40	Silt		7.5YR5/3 w7.		2.5	Very Weak B.
PDC	40-120	VFL	Truncated			1.75	Very Weak B.
PDBw	120-130	FU				4	Weak Blocky
PDCox	130-200	FU					

Dune Sheet	Zone/NAD	UTM-N	UTM-E	EPE (m)	Alt (m)	Date	Exposure
GOLD11	N10/83	4697050	383340		8	28	12/17/01 RC

Units	Depth cm	Grain Size	Bedding	Color	P.kg/cm^2	Structure	Diagenesis
LBw	0-35					2.5	Very Weak B.
TBtj	35-52					4.5	Strong Blocky
T	52-100						